**Power BI Lab 3**

**Data Source :** Adventure Works

<https://github.com/Microsoft/sql-server-samples/releases/download/adventureworks/AdventureWorks2022.bak>

1. Connect to datasource using DirectQuery Mode
2. Get these tables from it :
   1. Sales.SalesOrderHeader
   2. Sales.SalesOrderDetail
   3. Sales.SalesTerritory
   4. Purchasing.ShipMethod
   5. Production.Product
   6. Production.ProductSubcategory
   7. Production.ProductCategory
   8. Sales.vSalesPerson
3. Create the following tables :
   1. Status table (Based on [ufnGetSalesOrderStatusText] function)
   2. Dates (Using Power Query, or DAX)
4. Rename tables and columns
5. Remove unused columns
6. Solve these values Errors (TotalDue, Freight, Tax, Subtotal)
7. Design a star schema
8. Create the following measures:
   1. No. orders
   2. TotalSubtotal
   3. Total Tax
   4. Total Freight
   5. Total Due
   6. Total Quantity
9. Create the following visual charts
   1. Line Chart vs. counts (USERELATIONSHIP)
      1. OrderDate
      2. ShipDate
      3. DueDate
   2. No. orders by Status
   3. No. orders by shipmethod
   4. No. orders by Category, SubCategory, Product
   5. Top 10 Sales Persons (No. Orders or Total Due) (From Filter Pane)
10. Make Creative Design